DLITE-2 study

of weight gain >5%. The impact is highly significant (p<0.0001) and independent of the severity of heart fallure as measured by Cox Proportional Hazard Analysis of the impact of being on spironolactone/aldactone at baseline (BL) on the subsequent development In 3030 patients all information for this analysis was available. impact of spironolactone therapy is also independent of other parameters, including cholesterol levels (chol) and urlc acid levels (UA). LVEF, NXHA class, clinical oedema status, degree of kidney dysfunction (Le. creatinine [crea] levels) and heart fallure actiology. Tho

Gensor Variable: gain5% y=0ino=1

Model: Proportional Hazards

Row exclusion: ELITE2 11-055-w-change-080808
# Obs. 9030
# Events 848
# Censored 2184
% Censored 72.079
# Missing 98
# Invalid 0

Survival Summary Table for FU days gain 5%

Model Coefficients for FU days gain 5%
Censor Variable: gain5% y=0/no=1
Model: Proportional Hazards
Row exclusion: ELITE2 11-05B-w-change-080805

was\_on\_spiro\_/\_aldacto\_t1: Spiro yes
DRUG AL/BC: A

Sex: FEMALE

TVEF (%)
BEST NYHA
BL'UA
BL creat

CHOL BL value-Actiology\_short (sch

was\_on\_BB: BB yes

no edema

Edema status at baselihe; full edema ve trace ve no edema

**Грась** едета

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APR. 14. 2006

		П												]_
<u></u>	۸.	1	2		1	1	**	<u></u>	-	_	1	_		묶
010	084	.183	•	184	027	095	-1.258E-4	,001	.124	016	.101	.282	:670	Coef
.006	,121	101		.077	.028	.088	.001	3.1185-4	.083	,005	,078	.069	105	Sid. Error
-1.838	-,530	1.816	•	-2.387	-,925	-1.089.	096	3.844	1.985	-3.166	1.273	4,072	6,408	Coef/SE
3.761	.281	3.206	8.765	689,6	. 865	1.188	.009	15.665	3.941	10.023	1.620	16,682	29.242	Chi-Square
.0525	.5984	.0695	.0125	.0170	.3551	2762	.9235	<.0001	.0471	.0016	2031	<.0001	<.0001	P-Value
ÓGB.	.938	1.201	•	.832	.973	.909	1.000	1.001	1.132	.994	1.108	1.320	1.768	Exp(Cost)

## ELITE-2 study

Below are the individual hazard ratios and their 95% confidence interval related to the analysis on page 1. Cox Proportional Hazard Analysis.

Confidence Intervals for FU days gain 5%

Censor Variable; gain5% y=0/no=1
Model: Proportional Hazards Row exclusion: ELITE2 11-05B-w-change-080805

DRUG AL/BC: A was\_on\_spiro\_/\_aldaclo\_d1: Spiro yes

BL NYHA LVEF (%) Sex: FEMALE

AT TR

BL creat

CHOL BIL valuewas\_on\_BB: BB yes

Actiology\_short Isch

Edema status at baseline: full edema vs trace vs no edema; none

Edema status at baseliner full edema ve trace ve no edema: trace

.990

1.188	.741	.838
1,485	,985	1.201
.968	.715	.832
1.031	.919	.873
1.07e	.765	.809
1.002	.897	1.000
1.002	1,001	1.001
1.280	1.002	1.132
.984	.975	.884
1.281	.847	1.108
1.518	1.158	. 1.326
2.174	1.438	1.768
95% Upper	95% Lower	Exp(Coef)

ELLTE-2 study

weight gain >5%. The impact is highly significant (p<0.0001). Kaplan-Meier Analysis of the impact of being on spironolactone/aldactone at baseline on the subsequent development of

The graph shows, that patients with spironolactone are more likely to gain weight.

Survival Summary Table for FU days gain 5% Censor Variable: gain5% y=0/no=1 Grouping Variable: was\_on\_spiro\_or\_sidacto\_d1

Row exclusion: EUTEZ 11-05B-w-change-080805

# Obs.

# Events 773 881 9 # Censored 2247 2091 156 % Consored 71.835 69,091 73.040 # Missing 0 0 # Invalid

Kepien-Meier Cum, Survival Pict for FU days gain 5%

Spiro yes x-no Spiro

284 2864

Rank Tests for FU days gain 5%
Censor Variable: gain5% y=0/no=1
Grouping Variable: was\_on\_spiro\_or\_aldacto\_d1
Row exclusion: ELITE2\_11-05B-w-change-080806

Logrank (Mantel-Cox)
Brestow-Gehan-Wilcoxon
Tarone-Ware
Peto-Peto-Wilcoxon
Harrington-Fleming (rho = .5)

Chi-Square DF P-Value
35.260 1 <.0001
37.003 1 <.0001
36.699 1 <.0001
36.643 1 <.0001
36.120 1 <.0001

Cumulative Survival free Of an event of 5% weight gain 100% 1 **80% 40%** 88 Row exclusion: ELITE2 11-05B-w-change-080806 Grouping Variable: was\_on\_spiro\_or\_aidacto\_d1 Censor Variable: gain5% y=0/no=1 言 200 900 400 500 Пте (даув) on Spironolactone No Spironolactone 8 700 400 O O - Cum. Survival (Spiro yes) Cum, Survival (x-no Spiro) Event Times (Spiroryes) Event Times (x-so Spire)

BL NYHA

Cox Proportional Hazard Analysis of the impact of being on spiropolactone/aldactone or statin at baseline on the subsequent

patients a weight gain >5% event occurred. with a 7.5% increase in the occurrence of >5% weight gain, when a patient was on spironolactone. Treatment with a beta blocker (which is not indicated in patients with COPD) was associated degree of Iddney dysfunction (i.e. creatinine [crea] levels). This analysis was performed on 259 patients with COPD—in 60 of these development of weight gain >5%. The analysis shows an important trend for a 53.1% increase in the occurrence of >5% weight gain These results are independent of the severity of heart failure as measured by LVEF, NYHA class, clinical oedema status, and the

% increase in LVEF a 2.1% decrease in the frequency of >5% weight gain was observed, and Importantly, this analysis shows that good cardiac function (e.g. high LVEF) was not related to experiencing weight gain. In fact, per

•		•	ans Lins	/Ival Summ Isor Varlab	Survival Summary Table for FU day Cansor Variable: œaln6% v=0/no=f	·FU days gaïn 6% ©/no≃f	n 6%	
			Mo	del: Propor	Model: Proportional Hazards	Ø 5		•
			Ron	л ехс;пејоі	Row exclusion: ELITE2 11-05B-w-ch-COPD-080805	158-W-ch-C	OPD-080805	
			# Clbs.	bs.	259		•	
			李田	#Events	· <b>60</b>		•	
	į		#0	# Carysoned	198			
			*	% Consored	76.634		-	
Model Coefficients for FU days gain 5%			4 2	# Missing	0		•	
Geneer Yariable; gain5% y≂0/no=1 Model: Proportional Hazerds			4=	# Invalid	_			
Row exclusion: ELITE2 11-05B-w-ch-COPD-090808	3080E	_						
•	묶	Coaf	Std. Error	Cosf/SE	Chl-Square	P-Value	Exp(Coef)	
was_on_spiro_/_aldacto_d1: Spiro yes	1	.432	.395	1,094	1.198	.2737	1,541	
LVEF (%)	_	.021	.021	-1.013	1.027	.3109	978	
was_on_BB: BB yes	-	.089	.337	264	.070	7916	1.093	
BL creat	Ŀ	008	.008	-1.424	2.027	.1545	.992	
BL NYHA	_	D24	.212	7112	CFU	9111	277	

ELATE-2 study - the subgroup of patients with a diagnosis of COPD.

Cox Proportional Hazard Analysis. Below are the individual hazard ratios and their 95% confidence interval related to the analysis on page 4.

Confidence Intervals for FU days gain 5% Censor Variable: gain5% y=0/no=1

Censor Variable: gain6% y=0/no=1 Model: Proportional Hazards Row exclusion: ELITE2\_11-05B-w-on-COPD-090806

was\_on\_spiro\_/\_aldacto\_d1: Spiro yea LVEF (%) was\_on\_BB: BB yea BL creat

**BL NYHA** 

	_				1
.977	.992	1.093	.978	1.541	Exp(Coel)
.644	.981	.564	.940	.710	95% Lower
1,480	1.003	2.118	1.020	3,344	95% Upper

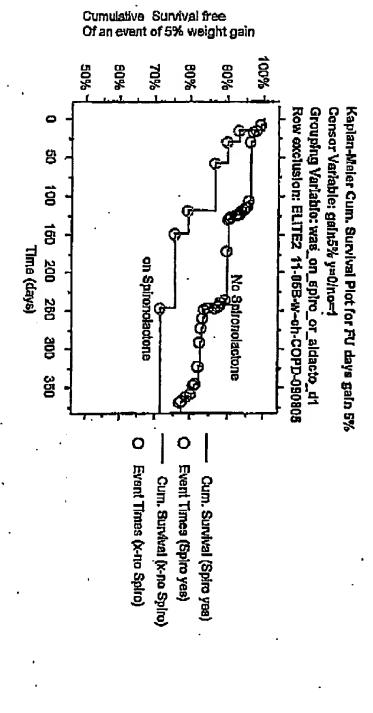
Page 5

Page 6



weight gain >5% in 12 months of follow-up. Kaplan-Meter Analysis of the impact of being on spironolactone/aldactone at baseline on the subsequent development of

The graph shows, that patients with spironolactone are more likely to gain weight.



23.5

ELITE-2 study - the subgroup of patients with a diagnosts of COPD.

subsequent development of weight loss >6%. The analysis shows a strong trend for a 55.3% decrease in the occurrence of >6% weight Cox Proportional Hazard Analysis of the impact of being on a beta blocker or on spironolactone/aldactone at baseline (BL) on the spironolactone. loss when a patient was on a beta blocker (p=0.088) and a 36.4% decrease in the occurrence of >6% weight loss when a patient was on

performed on 259 patients with COPD - in 55 of these patients a weight loss >6% event occurred. failure as measured by LVEB, NYHA class and the degree of kidney dysfunction (i.e. creatinine [crea] levels). This analysis was has the effect of a diuretic and should result in weight loss) was associated with less weight loss independently of the severity of heart Treatmest with a bela blocker (which is typically contraindicated for patients with COPD) or spironolactone (which in heart failure

% increase in LVEF a 1% increase in the frequency of >6% weight loss was observed. Importantly this analysis shows that good cardiac function (e.g. high LVEF) was not related to prevention of weight loss. In fact per

Survival Summary Table for FU days w.loss 6% Censor Variable: w.loss 6% y=0/no=1

Model: Proportional Hazards

Row exclusion: ELITE2 11-05B-w-ch-COPD-090808
# Obs. 259
# Events 55
# Censored 78.764
# Missing 0

Model Coefficients for FU days w.loss 6% Censor Variable: w.loss 6% y≖0/no≕t Model: Proportional Hazards

blightul #

Row exclusion: ELITE2 11-05B-w-ch-COPD-080805

was\_on\_BB: BB yes
LVEF (%)
BL NYHA
BL creatinine
was\_on\_spiro\_/\_aldacto\_d1: 8piro yes

무	Coef	Sid. Error	Coef/SE	Chl-Square	PcVelue	Exp(Coel)
-	806	.472	-1.707	2.915	.0878	.447
	.012	,023	.616	,285	.6068	1.012
-1	.335	215	1.555	2.418	.1200	1.397
_	-,002	.008	-,414	.171	,6782	.988
	-,453	A85	-,933	.871	.3506	836

## ELITE-2 study - the subgroup of patients with a diagnosis of COPD.

## Cox Proportional Hazard Analysis.

Below are the individual hazard ratios and their 95% confidence interval related to the analysis on page 7.

Confidence Intervals for FU days w.loss 6% Censor Variable: w.loss 6% y=0/no=1 Model: Proportional Hazards Row exclusion: ELITE2\_11-05B-w-ch-COPD-080805

LVEF (%) BL creatinine BL NYHA

was\_on\_BB: BB yes

was\_on\_spiro\_/\_aldacto\_d1: Spiro yes

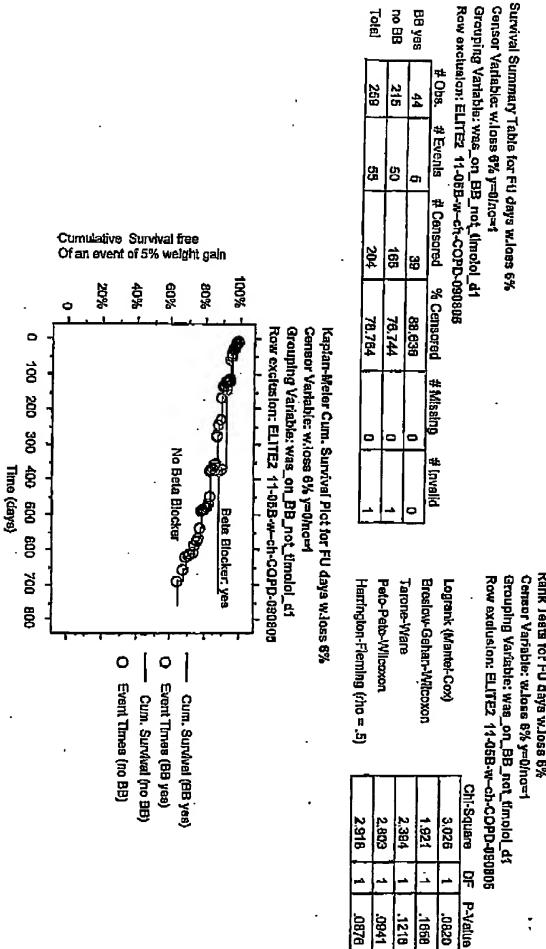
					_
.636	.998	1.397	1.012	.447	Exp(Coet)
248	.886	.918.	. 788.	.177	95% Lower
1 645	1.009	2.131	1.069	1.127	95% Upper

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ELITE-2 study - the subgroup of patients with a diagnosis of COPD.

>6% during follow-up, particularly after >200 days of follow-up. Kaplan-Meier Analysis of the Impact of being on a beta blocker at baseline on the subsequent development of weight loss

The log-rank p-value for this observation is 0.082. The graph shows, that COPD paticats in the ELITE 2 trial treated with a beta blocker are less likely to suffer weight loss.



Rank Tests for FU days w.loss 6%

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